

OY 62 EFYLSDCNVTSPCKYKLLKSTNFCVTCENQAPVHFVGVGHC 104
DB 85 EFYLSDCNVTSPCKYKLLKSTNFCVTCENQAPVHFVGVGHC 127

RESULT 2
OBUVX5
ID Q8UVX5 PRELIMINARY: PRT: 127 AA.
AC Q8UVX5:
DT 01-MAR-2002 (TREMBLrel. 20, Created)
DT 01-MAR-2002 (TREMBLrel. 20, Last sequence update)
DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)
DE Oncanase precursor.
GN RPR.
OC Rana pipiens (Northern leopard frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidae; Ranidae; Rana.
NCBI_TaxID=8404;
RN [1]
RP SEQUENCE FROM N.A.
RA Liao Y.-D., Wang S.-C.;
RT "Rana pipiens oncanase genomic DNA."
RL Submitted (DEC-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL: AF332139; AAL54383.1;
DR InterPro: IPR001427; RNaseA.
DR Pfam: PF00074; RNaseA; 1.
DR ProDom: PD000535; RNaseA; 1.
DR SMART: SM00092; RNase_Pc; 1.
DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.
KW Signal.
FT SIGNAL.
SQ SEQUENCE 127 AA: 14469 MW: 953F90D351CFEEF3 CRC64;

Query Match
Best Local Similarity 96.1%; Score 551; DB 13; Length 127;
Matches 99; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

OY 2 DWLTFQKHLNTRDVCNNINSTNLFHCKDKNTFYTSRPEPKAICGIIASKNVLTTS 61
DB 25 DWLTFQKHLNTRDVCNNINSTNLFHCKDKNTFYTSRPEPKAICGIIASKNVLTTS 84
OY 62 EFYLSDCNVTSPCKYKLLKSTNFCVTCENQAPVHFVGVGHC 104
DB 85 EFYLSDCNVTSPCKYKLLKSTNFCVTCENQAPVHFVGVGHC 127

RESULT 3
Q9DFY6
ID Q9DFY6 PRELIMINARY: PRT: 129 AA.
AC Q9DFY6:
DT 01-MAR-2001 (TREMBLrel. 16, Created)
DT 01-OCT-2001 (TREMBLrel. 18, Last sequence update)
DT 01-DEC-2001 (TREMBLrel. 19, Last annotation update)
DE RC-RNase4 ribonuclease precursor.
OS Rana catesbeiana (Bull frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidae; Ranidae; Rana.
NCBI_TaxID=8400;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=LIVER;
RX MEDLINE=20512555; PubMed=11058105;
RA Liao Y.-D., Huang H.-C., Liao Y.-J., Wei C.-W., Tang P.-C., Wang S.-C.;
RT "Purification and cloning of cytotoxic ribonucleases from Rana catesbeiana (bullfrog)."
RL Nucleic Acids Res. 28:4097-4104(2000).
RN [2]
RP SEQUENCE FROM N.A.
RC TISSUE=LIVER;
RA Liao Y.-D., Huang H.-C., Liao Y.-J., Wei C.-W., Tang P.-C., Wang S.-C.;
RL Submitted (AUG-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL: AF242555; AAG31441.2;
DR HSP: P22069; IONC.

DR InterPro: IPR001427; RNaseA.
DR Pfam: PF00074; RNaseA; 1.
DR ProDom: PD000535; RNaseA; 1.
DR SMART: SM00092; RNase_Pc; 1.
DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.
KW Signal.
FT SIGNAL.
SQ SEQUENCE 129 AA: 14724 MW: 826A628B10ABDA CRC64;

Query Match
Best Local Similarity 69.2%; Score 399.5; DB 13; Length 129;
Matches 70; Conservative 16; Mismatches 17; Indels 1; Gaps 1;

OY 2 DWLTFQKHLNTRDVCNNINSTNLFHCKDKNTFYTSRPEPKAICGIIASKNVLTTS 61
DB 25 DWLTFQKHLNTRDVCNNINSTNLFHCKDKNTFYTSRPEPKAICGIIASKNVLTTS 84
OY 62 EFYLSDCNVTSPCKYKLLKSTNFCVTCENQAPVHFVGVGHC 104
DB 85 EFYLSDCNVTSPCKYKLLKSTNFCVTCENQAPVHFVGVGHC 127

RESULT 4
Q9DFY8
ID Q9DFY8 PRELIMINARY: PRT: 128 AA.
AC Q9DFY8:
DT 01-MAR-2001 (TREMBLrel. 16, Created)
DT 01-MAR-2001 (TREMBLrel. 16, Last sequence update)
DT 01-DEC-2001 (TREMBLrel. 19, Last annotation update)
DE RC-RNase2 ribonuclease precursor.
OS Rana catesbeiana (Bull frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidae; Ranidae; Rana.
NCBI_TaxID=8400;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=LIVER;
RX MEDLINE=20512555; PubMed=11058105;
RA Liao Y.-D., Huang H.-C., Liao Y.-J., Wei C.-W., Tang P.-C., Wang S.-C.;
RT "Purification and cloning of cytotoxic ribonucleases from Rana catesbeiana (bullfrog)."
RL Nucleic Acids Res. 28:4097-4104(2000).
RN [2]
RP SEQUENCE FROM N.A.
RC TISSUE=LIVER;
RA Liao Y.-D., Huang H.-C., Liao Y.-J., Wei C.-W., Tang P.-C., Wang S.-C.;
RL Submitted (AUG-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL: AF242553; AAG31439.1;
DR HSP: P22069; IONC.
DR InterPro: IPR001427; RNaseA.
DR Pfam: PF00074; RNaseA; 1.
DR ProDom: PD000535; RNaseA; 1.
DR SMART: SM00092; RNase_Pc; 1.
DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.
KW Signal.
FT SIGNAL.
SQ SEQUENCE 128 AA: 14839 MW: 989719CF52033ECC CRC64;

Query Match
Best Local Similarity 66.0%; Score 381; DB 13; Length 128;
Matches 69; Conservative 10; Mismatches 24; Indels 0; Gaps 0;

OY 2 DWLTFQKHLNTRDVCNNINSTNLFHCKDKNTFYTSRPEPKAICGIIASKNVLTTS 61
DB 25 DWLTFQKHLNTRDVCNNINSTNLFHCKDKNTFYTSRPEPKAICGIIASKNVLTTS 84
OY 62 EFYLSDCNVTSPCKYKLLKSTNFCVTCENQAPVHFVGVGHC 104
DB 85 EFYLSDCNVTSPCKYKLLKSTNFCVTCENQAPVHFVGVGHC 127

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RESULT 5
Q9DFY7 PRELIMINARY: PRT: 128 AA.
AC Q9DFY7: 01-MAR-2001 (TREMBlrel. 16, Created)
DT 01-OCT-2001 (TREMBlrel. 18, Last sequence update)
DR 01-DEC-2001 (TREMBlrel. 19, Last annotation update)
DE RC-RNase3 ribonuclease precursor.
OS Rana catesbeiana (Bull frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidae; Ranidae; Rana.
OX NCBI_TaxID=8400;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=LIVER;
RX MEDLINE=20513555; PubMed=11058105;
RA Liao Y.-D., Huang H.-C., Liao Y.-J., Wei C.-W., Tang P.-C., Wang S.-C.;
RT "Purification and cloning of cytototoxic ribonucleases from Rana
RL catesbeiana (bullfrog).";
RL Nucleic Acids Res. 28:4097-4104(2000).
DR HSSP: P22069; IONC.
DR InterPro: IPR001427; RNaseA.
DR Pfam: PF00074; RNaseA; 1.
DR PRODOM: PD000535; RNaseA; 1.
DR SMART: SM00092; RNase_Pc; 1.
DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.
KW Signal.
FT SIGNAL. 1 23 POTENTIAL.
FT CHAIN 24 128 RC-RNASE3 RIBONUCLEASE.
SQ SEQUENCE 128 AA; 14517 MW; 12814986082E0587D CRC64;

Query Match 53.0%; Score 306; DB 13; Length 128;
Best Local Similarity 54.4%; Pred. No. 2.3e-27;
Matches 56; Conservative 12; Mismatches 35; Indels 0; Gaps 0;

QY 2 DMLTFQKKHLNTRDVCNNIMSTNLFPCCKDKNTFYSRPREPKAICGIIASKNVLTTS 61
DB 25 DMLTFQKKHLNTRDVCNNIMSTNLFPCCKDKNTFYSRPREPKAICGIIASKNVLTTS 84
QY 62 EFYLSDCNVTSPCKYKLRKSTNFCVCENQAPVHFGVGHG 104
DB 85 AFILPQCNRKRLPCHYKRLSSNTFICLVNQLPIHFGVGS 127

RESULT 6
Q9DFY5 PRELIMINARY: PRT: 128 AA.
AC Q9DFY5: 01-MAR-2001 (TREMBlrel. 16, Created)
DT 01-OCT-2001 (TREMBlrel. 18, Last sequence update)
DR 01-DEC-2001 (TREMBlrel. 19, Last annotation update)
DE RC-RNase6 ribonuclease precursor.
OS Rana catesbeiana (Bull frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidae; Ranidae; Rana.
OX NCBI_TaxID=8400;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=LIVER;
RX MEDLINE=20512555; PubMed=11058105;
RA Liao Y.-D., Huang H.-C., Liao Y.-J., Wei C.-W., Tang P.-C., Wang S.-C.;
RT "Purification and cloning of cytototoxic ribonucleases from Rana
RL catesbeiana (bullfrog).";
RL Nucleic Acids Res. 28:4097-4104(2000).
DR HSSP: P22069; IONC.
DR InterPro: IPR001427; RNaseA.

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DR Pfam: PF00074; RNaseA; 1.
DR PRODOM: PD000535; RNaseA; 1.
DR SMART: SM00092; RNase_Pc; 1.
DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.
KW Signal.
FT SIGNAL. 1 23 POTENTIAL.
FT CHAIN 24 128 RC-RNASE6 RIBONUCLEASE.
SQ SEQUENCE 128 AA; 14604 MW; AFBFB67D266C7C2 CRC64;

Query Match 52.7%; Score 304; DB 13; Length 128;
Best Local Similarity 53.4%; Pred. No. 3.8e-27;
Matches 55; Conservative 13; Mismatches 35; Indels 0; Gaps 0;

QY 2 DMLTFQKKHLNTRDVCNNIMSTNLFPCCKDKNTFYSRPREPKAICGIIASKNVLTTS 61
DB 25 DMLTFQKKHLNTRDVCNNIMSTNLFPCCKDKNTFYSRPREPKAICGIIASKNVLTTS 84
QY 62 EFYLSDCNVTSPCKYKLRKSTNFCVCENQAPVHFGVGHG 104
DB 85 VFYLPQCNRKRLPCHYKRLSSNTFICLVNQLPIHFGVGS 127

RESULT 7
Q9BSMO PRELIMINARY: PRT: 133 AA.
AC Q9BSMO: 01-JUN-2001 (TREMBlrel. 17, Created)
DT 01-JUN-2001 (TREMBlrel. 17, Last sequence update)
DR 01-DEC-2001 (TREMBlrel. 19, Last annotation update)
DE RNase A-type ribonuclease rc208 precursor.
OS Rana catesbeiana (Bull frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidae; Ranidae; Rana.
OX NCBI_TaxID=8400;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=LIVER;
RX MEDLINE=21539506; PubMed=11683320;
RA Rosenberg H.-F., Zhang J., Liao Y.-D., Dyer K.D.;
RT "Rapid diversification of RNase A superfamily ribonuclease from the
RL bullfrog, Rana catesbeiana.";
RL J. Mol. Evol. 53:31-38(2001).
DR EMBL: AF351209; AAK30255.1; .
DR HSSP: P11916; IBC4.
DR InterPro: IPR001427; RNaseA.
DR Pfam: PF00074; RNaseA; 1.
DR PRODOM: PD000535; RNaseA; 1.
DR SMART: SM00092; RNase_Pc; 1.
DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.
KW Signal.
FT SIGNAL. 1 22 POTENTIAL.
SQ SEQUENCE 133 AA; 14628 MW; 87FCF122C3499E02 CRC64;

Query Match 50.8%; Score 293; DB 13; Length 133;
Best Local Similarity 49.1%; Pred. No. 7.2e-26;
Matches 54; Conservative 16; Mismatches 32; Indels 8; Gaps 3;

QY 2 DMLTFQKKHLNTRDVCNNIMSTNLFPCCKDKNTFYSRPREPKAICGIIASKNVLTTS 57
DB 24 NMATFQKKHLNTRDVCNNIMSTNLFPCCKDKNTFYSRPREPKAICGIIASKNVLTTS 82
QY 58 LTTSEFYLSDC---NVTSPCKYKLRKSTNFCVCENQAPVHFGVGHG 104
DB 83 LSTRFQNLNCTRTSITPRPCYSRTENNYICVGCENQYVHFGVGHG 132

RESULT 8
Q9PWR7 PRELIMINARY: PRT: 133 AA.
AC Q9PWR7: 01-MAY-2000 (TREMBlrel. 13, Created)
DT 01-MAY-2000 (TREMBlrel. 13, Last sequence update)
DR 01-DEC-2001 (TREMBlrel. 19, Last annotation update)
DE Ribonuclease precursor.

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GN RCR.
 OS Rana catesbeiana (Bull frog).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidae; Ranidae; Rana.
 RN NCBI_TaxID=8400;
 RP SEQUENCE FROM N.A.
 RC TISSUE=LIVER;
 RA MEDLINE=98165825; PubMed=9497370;
 RX Huang H.C., Wang S.C., Leu Y.J., Lu S.C., Liao Y.D.;
 RT "The Rana catesbeiana rcr gene encoding a cytotoxic ribonuclease.
 RT Tissue distribution, cloning, purification, cytotoxicity, and active
 RT residues for RNase activity."
 RL J. Biol. Chem. 273:6395-6401(1998).
 DR EMBL: AF039104; AAD10702.1;
 DR HSSP: P11916; IBC4.
 DR InterPro: IPR001427; RNaseA.
 DR Pfam: PF00074; RNaseA.1.
 DR Prodom: PD000535; RNaseA.1.
 DR SMART: SM00092; RNase_Pc.1.
 DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.
 FT SIGNAL.
 KW SIGNAL.
 SQ SEQUENCE 133 AA: 14762 MW: A7D62594F7D16F0C CRC64;
 Query Match 49.7%; Score 287; DB 13; Length 133;
 Best Local Similarity 49.1%; Pred. No. 3.5e-25;
 Matches 54; Conservative 16; Mismatches 32; Indels 8; Gaps -3;
 QY 2 DMLTFQKKHLNTRVDCCNNIMSTNLF----HCKDKNTFIYSRPEPKAICKGIASKNV 57
 DB 24 NMAFFQOKKHITPILNNTIMDNNIYVGGCKKYNFTISSATYVKAICGVI-NMNV 82
 QY 58 LTTSEFYLSDC---VNTSRPCKYKLLKSTNFCVTCENQAPVHFVGHC 104
 DB 83 LSTRFQDLCTRTSITPRPCPYSSRTETNYICVACENQYPVHFAGIGKC 132
 RESULT 9
 ID 098SM2 PRELIMINARY; PRT: 132 AA.
 AC 098SM2;
 DT 01-JUN-2001 (TREMBLrel. 17, Created)
 DT 01-JUN-2001 (TREMBLrel. 17, Last sequence update)
 DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)
 DE RNase A-type ribonuclease rc203 precursor (RC-RNase7 precursor).
 OS Rana catesbeiana (Bull frog).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidae; Ranidae; Rana.
 RN NCBI_TaxID=8400;
 RP SEQUENCE FROM N.A.
 RC TISSUE=LIVER;
 RA Liao Y.-D., Tang P.-C., Jeng J.-T.;
 RL Submitted (MAR-2001) to the EMBL/GenBank/DBJ databases.
 DR EMBL: AF351207; AAK30253.1;
 DR EMBL: AF359578; AAL87036.1;
 DR HSSP: P11916; IBC4.
 DR InterPro: IPR001427; RNaseA.
 DR Pfam: PF00074; RNaseA.1.
 DR Prodom: PD000535; RNaseA.1.
 DR SMART: SM00092; RNase_Pc.1.
 DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.
 FT SIGNAL.
 KW SIGNAL.
 SQ SEQUENCE 132 AA: 14762 MW: A7D62594F7D16F0C CRC64;
 Query Match 49.7%; Score 287; DB 13; Length 133;
 Best Local Similarity 49.1%; Pred. No. 3.5e-25;
 Matches 54; Conservative 16; Mismatches 32; Indels 8; Gaps -3;
 QY 2 DMLTFQKKHLNTRVDCCNNIMSTNLF----HCKDKNTFIYSRPEPKAICKGIASKNV 57
 DB 24 NMAFFQOKKHITPILNNTIMDNNIYVGGCKKYNFTISSATYVKAICGVI-NMNV 82
 QY 58 LTTSEFYLSDC---VNTSRPCKYKLLKSTNFCVTCENQAPVHFVGHC 104
 DB 83 LSTRFQDLCTRTSITPRPCPYSSRTETNYICVACENQYPVHFAGIGKC 132

FT CHAIN 23 132 RC-RNASE7.
 SQ SEQUENCE 132 AA: 14412 MW: 131A745187978687 CRC64;
 Query Match 48.7%; Score 281; DB 13; Length 132;
 Best Local Similarity 47.7%; Pred. No. 1.7e-24;
 Matches 52; Conservative 14; Mismatches 35; Indels 8; Gaps 3;
 QY 3 WLTFOKKHLNTRVDCCNNIMSTNLF----HCKDKNTFIYSRPEPKAICKGIASKNV 58
 DB 25 WAKFFQOKKHITPILNNTIMDNNIYVGGCKKYNFTISSATYVKAICG-VTNSNV 83
 QY 59 TTTSEFYLSDC---VNTSRPCKYKLLKSTNFCVTCENQAPVHFVGHC 104
 DB 84 SPTRFQDLCTRTSITPRPCPYSSKRTNYICVACENQYPVHFAGIGKC 132
 RESULT 10
 ID 098SL9 PRELIMINARY; PRT: 133 AA.
 AC 098SL9;
 DT 01-JUN-2001 (TREMBLrel. 17, Created)
 DT 01-JUN-2001 (TREMBLrel. 17, Last sequence update)
 DT 01-DEC-2001 (TREMBLrel. 19, Last annotation update)
 DE RNase A-type ribonuclease rc212 precursor.
 OS Rana catesbeiana (Bull frog).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidae; Ranidae; Rana.
 RN NCBI_TaxID=8400;
 RP SEQUENCE FROM N.A.
 RC TISSUE=LIVER;
 RA MEDLINE=21539506; PubMed=11683320;
 RX Rosenberg H.F., Zhang J., Liao Y.-D., Dyer K.D.;
 RT "Rapid diversification of RNase A superfamily ribonuclease from the
 RT bullfrog, Rana catesbeiana."
 RL J. Mol. Evol. 53:31-38(2001).
 DR EMBL: AF351210; AAK30256.1;
 DR HSSP: P11916; IBC4.
 DR InterPro: IPR001427; RNaseA.
 DR Pfam: PF00074; RNaseA.1.
 DR Prodom: PD000535; RNaseA.1.
 DR SMART: SM00092; RNase_Pc.1.
 DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.
 FT SIGNAL.
 KW SIGNAL.
 SQ SEQUENCE 133 AA: 14615 MW: C8785B236B26E54E CRC64;
 Query Match 48.7%; Score 281; DB 13; Length 133;
 Best Local Similarity 47.3%; Pred. No. 1.7e-24;
 Matches 52; Conservative 17; Mismatches 33; Indels 8; Gaps 3;
 QY 2 DMLTFQKKHLNTRVDCCNNIMSTNLF----HCKDKNTFIYSRPEPKAICKGIASKNV 57
 DB 24 NMAFFQOKKHITPILNNTIMDNNIYVGGCKKYNFTISSATYVKAICG-VTDKRV 82
 QY 58 LTTSEFYLSDC---VNTSRPCKYKLLKSTNFCVTCENQAPVHFVGHC 104
 DB 83 LSTRFQDLCTRTSITPRPCPYSSRTETNYICVACENQYPVHFAGIGKC 132
 RESULT 11
 ID 098SL8 PRELIMINARY; PRT: 133 AA.
 AC 098SL8;
 DT 01-JUN-2001 (TREMBLrel. 17, Created)
 DT 01-JUN-2001 (TREMBLrel. 17, Last sequence update)
 DT 01-DEC-2001 (TREMBLrel. 19, Last annotation update)
 DE RNase A-type ribonuclease rc218 precursor.
 OS Rana catesbeiana (Bull frog).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidae; Ranidae; Rana.
 RN NCBI_TaxID=8400;
 RP SEQUENCE FROM N.A.
 RC TISSUE=LIVER;
 RA Liao Y.-D., Tang P.-C., Jeng J.-T.;
 RL Submitted (MAR-2001) to the EMBL/GenBank/DBJ databases.
 DR EMBL: AF351207; AAK30253.1;
 DR EMBL: AF359578; AAL87036.1;
 DR HSSP: P11916; IBC4.
 DR InterPro: IPR001427; RNaseA.
 DR Pfam: PF00074; RNaseA.1.
 DR Prodom: PD000535; RNaseA.1.
 DR SMART: SM00092; RNase_Pc.1.
 DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.
 FT SIGNAL.
 KW SIGNAL.
 SQ SEQUENCE 132 AA: 14762 MW: A7D62594F7D16F0C CRC64;
 Query Match 49.7%; Score 287; DB 13; Length 133;
 Best Local Similarity 49.1%; Pred. No. 3.5e-25;
 Matches 54; Conservative 16; Mismatches 32; Indels 8; Gaps -3;
 QY 2 DMLTFQKKHLNTRVDCCNNIMSTNLF----HCKDKNTFIYSRPEPKAICKGIASKNV 57
 DB 24 NMAFFQOKKHITPILNNTIMDNNIYVGGCKKYNFTISSATYVKAICGVI-NMNV 82
 QY 58 LTTSEFYLSDC---VNTSRPCKYKLLKSTNFCVTCENQAPVHFVGHC 104
 DB 83 LSTRFQDLCTRTSITPRPCPYSSRTETNYICVACENQYPVHFAGIGKC 132

RESULT 13

RI The identification of two novel ligands of the fur receptor by a
RT yeast screening method and their activity in *Xenopus* development." *Cell* 83:621-630(1995).
RL
RN
RN
RN
RA Kinoshiba N., Kirschner M.W.;
SEQUENCE FROM N.A.
[2]

RL Submitted (JUN-1999) to the EMBL/Genbank/DBJ databases.
DR EMBL: AF159166; AAD41901.1; -
DR HSSP: P00656; 1LSO.
DR InterPro: IPR001427; RNaseA.
DR Pfam: PF00074; RNaseA; 1.
DR ProDom: PD000535; RNaseA; 1.
DR SMART: SM00092; RNase_Pc; 1.
DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.
SQ SEQUENCE 169 AA: 18851 MW: D969F3E43B3CE1B8 CRC64;

Query Match 27.3%; Score 157.5; DB 13; Length 169;
Best Local Similarity 36.1%; Pred. No. 2.9e-10;
Matches 39; Conservative 19; Mismatches 35; Indels 15; Gaps 6;

QY 6 FQKHLLNT-RDVDCN-----NIMSTNLFCKDKNTFTY-SRPEVKAICKGIASKNV 57
DB 33 FMEKHIVKEGAEICNCTIKDNRIRFN--NCKFRNFTHDITNGKVKEMCAGIVKSTFV 90
QY 58 LTTSEFYISDCNV---TSRP--CKYKLLKSTNTFCVTCENQAPVHVG 100
DB 91 ISKLLPLTDLCLMGRTARPNCAYNOTRTTGVINITCENNYPVHFAG 138

RESULT 15

Q9JKI5 PRELIMINARY; PRT; 152 AA.
ID O9JKI5
AC O9JKI5
DT 01-OCT-2000 (TREMBLrel. 15, Created)
DT 01-OCT-2000 (TREMBLrel. 15, Last sequence update)
DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)
DE Eosinophil-associated ribonuclease 10.
GN EAR10.
OS Mus saxicola (Spiny mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10094;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=20243759; Pubmed=10758160;
RA Zhang J., Dyer K.D., Rosenberg H.F.;
RT "Evolution of the rodent eosinophil-associated ribonuclease gene
family by rapid gene sorting and positive selection."
RL Proc. Natl. Acad. Sci. U.S.A. 97:4701-4706(2000).
DR EMBL: AF238398; AAF67698.1; -
DR HSSP: P00656; 1LSO.
DR InterPro: IPR001427; RNaseA.
DR Pfam: PF00074; RNaseA; 1.
DR PRINTS: PR00794; RIBONUCLEASE.
DR ProDom: PD000535; RNaseA; 1.
DR SMART: SM00092; RNase_Pc; 1.
DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.
SQ SEQUENCE 152 AA: 16830 MW: 780421C3661732C8 CRC64;

Query Match 23.1%; Score 133; DB 11; Length 152;
Best Local Similarity 30.3%; Pred. No. 1.7e-07;
Matches 37; Conservative 19; Mismatches 42; Indels 24; Gaps 6;

QY 1 SDMLTFQKKHLLNTRDVDCNNIM--STNLFCKDKNTFTYSRPEVKAIC--KGIAT- 53
DB 31 SOW--FATQHTTNPANPCQNVEMLPINRNRTCKNINTELFTHFANVGVCGNPSGLCSN 88
QY 54 --SKNVLTSEFYISDCNVTSR-----PCKYKLLKSTNTFCVTCENQAP-----VHF 98
DB 89 NISTNCNNSRVPITVCNITSREKSCYOCRYOTRGSVSEYTVACNPRTPODSPRYVHL 148
QY 99 VG 100
DB 149 DG 150

Search completed: June 25, 2003, 14:55:17
Job time : 26.4787 secs